

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 03/02244

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04M 1/02, H04B 1/40

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1091540 A3 (NOKIA MOBILE PHONES LTD.), 11 April 2001 (11.04.01), figure 2, abstract, page 1, part 1-part 9 --	1-16
X	US 2003017848 A1 (G.E.ENGSTROM ET AL), 23 January 2003 (23.01.03), figures 1-8, abstract, page 1, part 14, page 6, part 53 --	1-16
X	US 2003017839 A1 (G.N.MAGER), 23 January 2003 (23.01.03), figures 3-7, abstract, page 1 part 5-8 --	1-16

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

15 December 2003

Date of mailing of the international search report

23-12-2003

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 0211074 A2 (NOKIA MOBILE PHONES LTD), 7 February 2002 (07.02.02), page 5, line 13 - page 7, line 3, figure 2, abstract  --	1-16
Y	US 2003036362 A1 (J.BUESSELER ET AL), 20 February 2003 (20.02.03), abstract, page 1, part 1 - part 7  --	1-16
Y	US 2003104791 A1 (G.ENGSTROM ET AL), 5 June 2003 (05.06.03), figure 6, abstract, page 1, part 6 - part 9  --	1-16
Y	US 2003008679 A1 (Y.IWATA ET AL), 9 January 2003 (09.01.03), figure 3, abstract, page 3, part 44-page 5 part 80  -- -----	1-16

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

31/10/03

International application No.

PCT/IB 03/02244

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EP 1091540 A3	11/04/01	GB 2355126 A GB 9923927 D JP 2001168967 A	11/04/01 00/00/00 22/06/01
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